

Applicant	Linn
Serial No.	09/846,795
Filing Date	May 1, 2001
Group Art Unit	2829
Examiner Name	Asok K. Sarkar
Facsimile No.	703-872-9318
Attorney Docket No.	125.013US02
Title: BONDED SUBSTRATE FOR AN INTEGRATED CIRCUIT CONTAINING A PLANAR INTRINSIC GETTERING ZONE	

**FACSIMILE  
TRANSMITTAL  
FORM**

Total Pages: 3 (including transmittal sheet)

Commissioner for Patents  
P.O. Box 1450  
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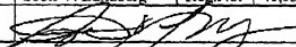
**Enclosures**

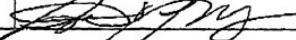
The following documents are enclosed:

X\_A Revocation and Power of Attorney and Certificate Under 37 C.F.R. §3.73(b) (2 pgs.).

**CUSTOMER NUMBER: 34206**

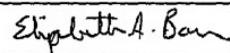
**Submitted By**

Name	Scott V. Lundberg	Reg. No.	41,958	Telephone	(612) 332-4720
Signature				Date	October 30, 2003

Attorneys for Applicant  
  
 Fogg & Associates, LLC  
 P.O. Box 581339  
 Minneapolis, MN 55458-1339  
 T: 612-332-4720  
 F: 612-677-3553

**Certificate of Transmission**

I certify that this paper, and the above-identified documents, are being transmitted by facsimile to, Examiner Asok K. Sarkar, Group Art Unit 2829 (Facsimile No. 703-872-9318) of the United States Patent and Trademark Office on October 30, 2003.

Name	Elizabeth A. Bauer	Signature	
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**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Linn	Examiner: Asok K. Sarkar
Application No.: 09/846,795	Group Art Unit: 2829
Filed: 5/1/2001	Attorney Docket No.: 125.013US02

Title: BONDED SUBSTRATE FOR AN INTEGRATED CIRCUIT CONTAINING A PLANAR INTRINSIC GETTERING ZONE

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P.O. Box 1450  
Alexandria, VA 22313-1450

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**REVOCATION, POWER OF ATTORNEY AND  
CERTIFICATE UNDER 37 C.F.R. §3.73(b)**

Please revoke any existing Power of Attorney, if any, and appoint the attorneys and/or patent agents associated with Customer Number 32095 for the above-identified patent application.

Please send correspondence to the following address:

Attn: Scott Lundberg  
Fogg & Associates, LLC  
P.O. Box 581339  
Minneapolis, MN 55458-1339

Intersil Americas Inc., a corporation organized and existing under and by virtue of the laws of Delaware, and having an office and place of business at 675 Trade Zone Boulevard, Milpitas, CA 95035, certifies that it is:

The assignee of the entire right, title and interest in the patent application identified above by virtue of chain of title from the inventor(s), of the patent identified above, to the current assignee as shown below:

**REVOCATION AND POWER OF ATTORNEY PAGE 2**

Serial No.: 125.013US02

Attorney Docket No. 125.013US02

Title: BONDED SUBSTRATE FOR AN INTEGRATED CIRCUIT CONTAINING A PLANAR INTRINSIC  
GETTERING ZONE

1. From the inventor(s) to Harris Corporation.

The document was recorded in the United States Patent and Trademark Office at Reel 009786, Frame 0929.

2. From Harris Corporation to Intersil Corporation.

The document was recorded in the United States Patent and Trademark Office at Reel 010884, Frame 0394.

3. From Intersil Corporation to Intersil Communications, Inc. by virtue of a Name Change document dated May 23, 2001 (attached hereto as Exhibit A).

4. From Intersil Communications, Inc. to Intersil Americas Inc. by virtue of a contribution agreement dated December 21, 2001 (attached hereto as Exhibit B).

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

10/24/03

Date

Signature

Paul A. Bernkopf  
Typed or Printed Name

Vice President  
Title

*State of Delaware*  
*Office of the Secretary of State* PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "INTERSIL CORPORATION", CHANGING ITS NAME FROM "INTERSIL CORPORATION" TO "INTERSIL COMMUNICATIONS, INC.", FILED IN THIS OFFICE ON THE TWENTY-FIFTH DAY OF MAY, A.D. 2001, AT 4:15 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

EXHIBIT A



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1155634

DATE: 05-25-01

3050122 8100

610253080

OCT-30-2003(THU) 16:16 FOGG AND ASSOCIATES, LLC (FAX)612 332 4731 P. 005

MAIL 25 2001 16:17 PM DECNET  
08-10-2001 FAX 14:25 FAX 3417073 215 494 2222 TO 91322535049 P. 005 12 00002

AMENDED AND RESTATED CERTIFICATE OF INCORPORATION  
OF  
INTERSIL CORPORATION

INTERSIL CORPORATION, a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

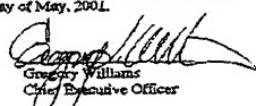
**FIRST:** The present name of the corporation is INTERSIL CORPORATION and the name under which the corporation was originally incorporated is ESS Operating Corporation. The date of filing of its original Certificate of Incorporation with the Secretary of State of the State of Delaware was June 2, 1999.

**SECOND:** This Amended and Restated Certificate of Incorporation (the "Certificate") restates and integrates and further amends in its entirety the Certificate of Incorporation of this corporation. This Certificate was duly adopted by a majority vote of the stockholders of the corporation in accordance with Sections 228, 342 and 345 of the General Corporation Law of the State of Delaware.

**THIRD:** This Certificate shall become effective immediately upon its filing with the Secretary of State of the State of Delaware.

**FOURTH:** Upon the filing of the Certificate with the Secretary of State of the State of Delaware, the Certificate of Incorporation of the corporation shall be amended and restated in its entirety to read as set forth on Exhibit A attached hereto.

IN WITNESS WHEREOF, said corporation has caused this Certificate to be executed by a duly authorized officer this 23rd day of May, 2001.

By:   
Gregory Williams  
Chief Executive Officer

YAC002.201 304/2001 3:05 PM

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 04:15 PM 05/23/2001  
010253080 - 3050122

## EXHIBIT A

AMENDED AND RESTATED CERTIFICATE OF INCORPORATION  
OF  
INTERSIL COMMUNICATIONS, INC.

1. *Name.* The name of the Corporation is Intersil Communications, Inc.
2. *Registered Office and Agent.* The address of the Corporation's registered office in the State of Delaware is 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of the Corporation's registered agent at such address is The Corporation Trust Company.
3. *Purpose.* The purposes for which the Corporation is formed are to engage in any lawful act or activity, including, without limitation, forming and/or acquiring foreign subsidiaries, for which corporations may be organized under the General Corporation Law of the State of Delaware ("DGCL") and to possess and exercise all of the powers and privileges granted by such law and any other law of Delaware.
4. *Authorized Capital.* The aggregate number of shares of stock which the Corporation shall have authority to issue is One Thousand (1,000) shares, all of which are of one class and are designated as Common Stock, par value \$0.01 per share.
5. *Incorporator.* The name and mailing address of the incorporator are Marian T. Ryan, 4000 Bell Atlantic Tower, 1717 Arch Street, Philadelphia, Pennsylvania 19103-2793.
6. *Bylaws.* In furtherance and not in limitation of the powers conferred by law, the board of directors of the Corporation is authorized to adopt, amend or repeal the bylaws of the Corporation, except as otherwise specifically provided therein, subject to the powers of the stockholders of the Corporation to amend or repeal any bylaws adopted by the board of directors.
7. *Elections of Directors.* Elections of directors need not be by written ballot unless and except to the extent the bylaws of the Corporation shall so provide.
8. *Right to Amend.* The corporation reserves the right to amend or repeal any provision contained in this Certificate as the same may from time to time be in effect in the manner now or hereafter prescribed by law, and all rights, preferences and privileges conferred on stockholders, director or others hereunder are subject to such reservation.
9. *Unanimous Written Consent Required.* If any action is to be taken by stockholders without a meeting, such action must be authorized by unanimous written consent signed by all of the holders of outstanding voting stock.

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OCT-30-2003(THU) 16:17

FOGG AND ASSOCIATES, LLC

(FAX)612 332 4731

P. 007

107-15 2003 16:17 FR 32487  
05/30/2003 FRI 16:17 FAX 612/332/4731

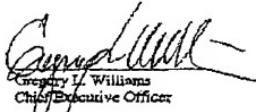
215 964 3222 NC 91300676848

P.04-13

19. *Limitation on Liability.* The directors of the Corporation shall be entitled to the benefits of all limitations on the liability of directors generally that are now or hereafter become available under the DGCL. Without limiting the generality of the foregoing, to the fullest extent permitted by the DGCL, as it exists on the date hereof or as it may hereafter be amended, no director of the Corporation shall be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the Corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the DGCL, or (iv) for any transaction from which the director derived an improper personal benefit. Any repeal or modification of this Section 19 shall be prospective only, and shall not affect, to the detriment of any director, any limitation on the personal liability of a director of the Corporation existing at the time of such repeal, modification or adoption.

Dated: May 23, 2003

By:

  
Gregory L. Williams  
Chief Executive Officer

CONTRIBUTION AGREEMENT

This Contribution Agreement (the "Agreement") is effective as of December 31, 2001 (the "Effective Date") at 11:59 PM United States of America EST (the "Effective Time") by and between Intersil Communications, Inc., a Delaware corporation ("Intersil"), and Intersil Americas Inc., a Delaware corporation ("Intersil Americas").

Background

To promote greater efficiency and economy in the management of the businesses carried on by the parties to this Agreement, Intersil desires to make a capital contribution to Intersil Americas of certain intellectual property and other assets used in the business of Intersil and its affiliates.

Terms

Intending to be legally bound, the parties to this Agreement agree as follows:

1. Effective as of the date first written above, Intersil shall contribute the following to Intersil Americas, in deemed exchange for stock of Intersil Americas in a non-recognition transaction as described in Section 351 of the Internal Revenue Code of 1986, as amended:

(i) all right, title and interest in and to the trademarks shown in Schedule A and all slogans, logotypes, designs, and trade dress associated therewith (the "Trademarks"), together with the U.S. federal registrations and applications for registration of the Trademarks, and all income, royalties, damages and payments now or hereafter due or payable with respect thereto and in and to all rights of action arising from the Trademarks, to be held and enjoyed by Intersil Americas for its own use and benefit and for its successors and assigns as the same would have been held by Intersil had this contribution not been made, and the goodwill of the business symbolized by the Trademarks;

(ii) all right, title and interest in and to the U.S. patents and patent applications shown in Schedule A (the "Patents"), including all reissues, divisions, continuations-in-part, and extensions thereof, to be held and enjoyed by Intersil Americas as fully and entirely as they would have been held and enjoyed by Intersil if this contribution had not been made, including all licenses of and proceeds from the Patents, all claims, demands and rights to recovery that Intersil has or may have in profits and damages for past and future infringements, if any, and all rights to compromise, sue for, and collect such profits and damages;

(iii) all right, title, and interest in and to all inventions shown in Schedule A (the "Inventions"), and all intellectual property rights relating thereto, including, without limitation, trade secret rights in the Inventions, and all rights of action arising from the Inventions, to be held and enjoyed by Intersil Americas for its own use and benefit and for its successors and assigns as the same would have been held by Intersil had this contribution not been made; and

(iv) all right, title, and interest in and to all copyrights owned by Intersil as of the date first written above that are not otherwise excluded from contribution under the terms of this Agreement, whether or not such copyrights have been registered (collectively, the "Copyrights").

**EXHIBIT B**

including, without limitation, all U.S. registrations and applications for registration of the Copyrights, all licenses of and proceeds from the Copyrights, all publishing, electronic publishing, and other proprietary rights arising from or related to the Copyrights; all causes of action relating to the Copyrights that may have arisen prior to this contribution, and any recovery resulting from such causes of action.

Notwithstanding the foregoing or any specific item listed on Schedule A, the intellectual property used in connection with providing products or services that are regulated by the United States Department of State shall not be contributed to Intersil Americas.

2. Intersil and Intersil Americas shall each take any and all additional actions as may be necessary or appropriate to effect the transactions contemplated by this Agreement. Such actions may include, without limitation, the execution of additional documents to record the contribution made in this Agreement and the filing of such documents with the appropriate governmental authorities.

[Signatures commence on the following page]

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the date below to be effective as of the Effective Date and Effective Time.

INTERSIL COMMUNICATIONS, INC.  
a Delaware corporation

By: Paul A. Bernkopf Date: 12/21/01  
Name: PAUL A. BERNKOPF  
Title: ASST. SECRETARY

INTERSIL AMERICAS INC.  
a Delaware Corporation

By: Paul A. Bernkopf Date: 12/21/01  
Name: PAUL A. BERNKOPF  
Title: ASST. SECRETARY

**SCHEDULE A**  
**(I) PATENTS AND PATENT APPLICATIONS**

Application No.	Status	Issue Date	Patent No.	Priority Date	Description
SE-1374-IP	Granted	09/220780	24-Oct-1998	5082160	03-Nov-1999 DC-TO-DC CONVERTER WITH INDUCTOR CURRENT SENSING AND RELATED METHODS
SE-1024-TD	A	Granted	09/199292	24-Nov-1998	6211056 INTEGRATED CIRCUIT AIR BRIDGE STRUCTURES AND METHOD OF FABRICATING SAME
SE-1472-TD		Granted	09/255231	22-Feb-1999	6255195 BONDED SUBSTRATE FOR AN INTEGRATED CIRCUIT CONTAINING A PLANAR INTRINSIC GETTERING ZONE (as amended)
SE-1063-TD	A	Granted	09/204904	03-Dec-1998	6114191 SEMICONDUCTOR PACKAGING APPARATUS
SE-1400-MM		Pending	09/245674	08-Feb-1999	METHOD OF DIGITALLY DECODING A COMPOSITE VIDEO SIGNAL AND A DIGITAL DECODER FOR COMPOSITE VIDEO SIGNALS
SE-1407-WR		Pending	09/231608	14-Jan-1999	METHOD OF PERFORMING ANTENNA DIVERSITY IN SPREAD SPECTRUM IN WIRELESS LOCAL AREA NETWORK
SE-1492-WR		Pending	09/231184	14-Jan-1999	WIRELESS LOCAL AREA NETWORK SPREAD SPECTRUM TRANSCIEVER WITH MULTIPATH MITIGATION
SE-1500-WR		Pending	09/231228	14-Jan-1999	SPREAD SPECTRUM TRANSCIEVER FOR USE IN WIRELESS LOCAL AREA NETWORK AND HAVING MULTIPATH MITIGATION
SE-1350-TL		Pending	09/208457	10-Dec-1998	APPARATUS AND METHOD FOR TESTING SUBSCRIBER LOOP INTERFACE CIRCUITS
SE-1322-WR	A	Granted	09/246815	09-Feb-1999	5999080 FREQUENCY DEPENDENT RESISTIVE ELEMENT
SE-1094-LN	B	Granted	09/247510	10-Feb-1999	6114898 05-Sep-2000 COMPLEMENTARY MULTIPLEXER WITH LOW DISABLED-OUTPUT CAPACITANCE, AND METHOD
SE-1488-WR		Granted	09/261981	04-Mar-1999	6172556 FEEDBACK-CONTROLLED LOW VOLTAGE CURRENT SINK/SOURCE
SE-1482-WR		Pending	09/266386	10-Mar-1999	SUCCESSIONAL APPROXIMATION CORRECTION OF DC OFFSET IN FILTER-BUFFER BASEBAND PATH OF DATA RADIO
SE-1106-TD	A	Granted	09/268800	15-Mar-1999	6051457 18-Apr-2000 ELECTROSTATIC DISCHARGE PROTECTION DEVICE